

**From:** Kelley Chase/R3/USEPA/US  
**Sent:** 7/9/2012 12:51:20 PM  
**To:** EOC Environmental Unit@EPA; Janine Dinan/DC/USEPA/US@EPA; Terry Smith/DC/USEPA/US@EPA  
**CC:** loven.Dawn@epamail.epa.gov; Robert Helverson/R3/USEPA/US@EPA; Lora Werner/R3/USEPA/US@EPA; markiewicz.karl@epa.gov; Victoria Binetti/R3/USEPA/US@EPA; KarenD Johnson/R3/USEPA/US@EPA; Cynthia Caporale/ESC/R3/USEPA/US@EPA; Robin Costas/ESC/R3/USEPA/US@EPA  
**Subject:** Dimock - Toxicologist Memos for the Re-analysis of Lithium Results

Attached for your review please find the Draft Toxicologist Memos for the 57 locations that were re-analyzed for lithium at a lower QL of 25 ug/L. The memos were prepared by Dawn Ioven, Region 3 toxicologist, based on her review of the data. One memo addresses all the wells without hits above the screening level; the other 19 are for individual residences with exceedances.

The residential data summary reports were provided to the environmental unit in the attached e-mail on 7/2/12. As discussed in the attached e-mail, a total of 20 locations exceeded 31 ug/L during the sampling conducted from weeks 1 - 5. There were 19 exceedances in weeks 1-4 and 1 during week 5 at HW-60. The results at the lower QL of 25 ug/L for week #5 have already been released.

Please review and provide any comments you may have regarding the data summary reports and/or the tox memos as soon as possible. EPA expects to provide the final tox memos to residents along with their sampling results in mid-July. Feel free to contact me with any questions and/or if you need additional info.

Thank you - Kelley

cell { **Ex. 6 - Personal Privacy** }

----- Forwarded by Kelley Chase/R3/USEPA/US on 07/09/2012 01:38 PM -----

**From:** Kelley Chase/R3/USEPA/US  
**To:** EOC Environmental Unit@EPA, Janine Dinan/DC/USEPA/US@EPA, Terry Smith/DC/USEPA/US@EPA  
**Cc:** loven.Dawn@epamail.epa.gov, Robert Helverson/R3/USEPA/US@EPA, Lora Werner/R3/USEPA/US@EPA, Karl V Markiewicz <markiewicz.karl@epa.gov>, Victoria Binetti/R3/USEPA/US@EPA, KarenD Johnson/R3/USEPA/US@EPA, Cynthia Caporale/ESC/R3/USEPA/US@EPA, Robin Costas/ESC/R3/USEPA/US@EPA  
**Date:** 07/02/2012 03:59 PM  
**Subject:** Dimock Residential Ground Water Sampling - DRAFT Residential Data Reports for the Re-analysis of Lithium

Attached for your review please find PDFs of the Draft Residential Data Reports for the 57 sampling locations that were re-

analyzed for lithium. As you may recall, the initial quantitation level (QL) for the lithium analysis for this project was 200 ug/L. Three of the 57 locations sampled during weeks 1 through 4 exceeded 200 ug/L. These included: HW-6, HW- 24 and HW-29. The remaining 53 locations were reported to residents as not detected or "U" at 200 ug/L.

The long-term risk based screening level (AKA "trigger level") for lithium is equal to 31 ug/L. It was decided that the initial samples (weeks 1 - 4) would be re-analyzed at a lower QL of 25 ug/L. Note that as of the 5th week of sampling the lower QL of 25 ug/L was being used.

Based on the QL of 25 ug/L, a total of 20 locations exceeded 31 ug/L during the sampling conducted from weeks 1 - 5. There were 19 exceedances in weeks 1-4 and 1 during week 5 at HW-60. The results at the lower QL of 25 ug/L for week #5 have already been released.

Attached results (weeks 1 - 4) have been validated and are considered final. However, the reports are considered DRAFT until our review is completed. Please be sure to limit the distribution of these reports to an internal review as we have not yet shared the data with residents or with PADEP. Note that each report includes all lithium results for that particular location. I understand that EPA intends to provide the attached results to residents in mid-July.

Feel free to contact me with any questions and/or if you need additional info to complete your review.

Thank you - Kelley

cell: Ex. 6 - Personal Privacy

### **19 Locations with Lithium Results Greater than or Equal to 31 ug/L**

[attachment "HW01.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW02.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW05.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW06.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW12.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW15a.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW16.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW17.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW18.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW22.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW24.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW25.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW26.pdf" deleted by Kelley Chase/R3/USEPA/US]

[attachment "HW29.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW30.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW31.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW34a.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW39.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW47.pdf" deleted by Kelley Chase/R3/USEPA/US]

### **38 Locations with Lithium Results Less than 31 ug/L**

[attachment "HW03.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW04.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW07.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW08a.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW09.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW11.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW13.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW14.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW19.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW20.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW21.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW23.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW27.pdf" deleted by Kelley Chase/R3/USEPA/US]

[attachment "HW28a.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW28b.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW32.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW33a.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW33b.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW35.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW36.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW38.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW40.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW41.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW42.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW43.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW44.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW45.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW46.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW48.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW49.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW51.pdf" deleted by Kelley Chase/R3/USEPA/US]

by Kelley Chase/R3/USEPA/US] [attachment "HW52.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW53.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW54.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW55.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW57.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW58.pdf" deleted by Kelley Chase/R3/USEPA/US] [attachment "HW59.pdf" deleted by Kelley Chase/R3/USEPA/US]